

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Ping Liang
ASSIGNEE: TransDimension, Inc.
APPLICATION SERIAL NO.: 09/667,091
FILING DATE: 9/21/2000
TITLE: UNIVERSAL SERIAL BUS FOR MOBILE
DEVICES HAVING EXPANSION MODULES
EXAMINER: Trisha U Vu
GROUP ART UNIT: 2189
ATTY. DOCKET NO: XDM00-02

COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA, VA22313-1450

REQUEST FOR TELEPHONE INTERVIEW FOR THE OFFICE ACTION**DATED 12/23/2003**

Dear Sir:

With respect to the 06/23/2003 Office Action in the above-referenced Application, Applicant request a telephone interview with the Examiner. Applicant proposes the following amendments to the independent claims and the following agenda for the conference.

1. (Proposed Amendment) A Mobile computing device that can operate both as a host or a device comprising:

a processor that can function as a USB controller configured to operate as a USB host or a USB device;

a housing having an expansion module bay for receiving an expansion module wherein

an the expansion module having a first USB connector and one or more circuits ~~for expands the mobile device's functionality providing expansion module function;~~ and

a second USB connector positioned inside the expansion module bay to mate with the first USB connector when the expansion module is inserted in the bay, wherein the expansion module includes a USB interface that includes a bus interface layer and a second layer for routing data between the bus interface layer and a USB device endpoint; and a conversion circuit, which is coupled between the USB interface and the first USB connector; and the first and second USB connectors have a form factor that is different than a standard USB form factor.

18. (Proposed Amendment) A Mobile computing device that can operate both as a host or a device comprising:

a housing having an expansion module bay;

a processor that can function as a USB controller configured to operate as a USB host or a USB device within the housing; and

a first USB connector coupled to the USB controller; the USB connector positioned within the expansion bay module in an expansion module-receiving position for receiving an expansion module having one or more circuits for expanding the mobile device's functionality providing expansion module function- and the expansion module includes a second USB connector positioned inside the expansion module bay to mate with the first USB connector when the expansion module is inserted in the bay; a USB interface and a conversion circuit, which is coupled between the USB interface and the first USB connector.

27. (Proposed Amendment) A mobile personal digital assistant that can operate both as a USB host or a USB device comprising:

a housing having an expansion module bay;

a processor that can function as a USB controller configured to operate as a USB host or a USB device within the housing; ~~and having one or more circuits providing expansion module function and~~

a USB connector for the USB controller; the USB connector being positioned within the expansion module bay, the USB connector being positioned to receive a mating USB connector of an expansion module; and the expansion module includes a USB connector positioned inside the expansion module bay to mate with the USB connector for the USB controller when the expansion module is inserted in the bay; a USB interface and a conversion circuit, which is coupled between the USB interface and the first USB connector; and the expansion module expands the mobile personal digital assistant's functionality.

28. (Proposed Amendment) An expansion module for a mobile computing device that can operate both as a USB host or a USB device, the expansion module comprising:

a USB interface coupled to a processor that can function as a USB controller configured to operate as a USB host or a USB device and having one or more circuits coupled to the USB interface for expanding the mobile device functionality ~~providing expansion module function; and~~


a USB connector for the USB interface.


Proposed Agenda:

Applicant proposes the following agenda for the telephone conference:

- a. Discuss the proposed claim amendment.
- b. Discuss the prior art Hannah et al. (U.S. Pat. 5,784,581); Kikinis (US Patent No. 5,841,424) and Huang (US patent No. 6,280,252). Discuss the rejections, especially, in rejecting Claim 18, the Examiner has relied on Hannah's embodiments disclosed in Figure 4 and 5 of Hannah, i.e., the Examiner has compared the peripheral device 34 of Hannah to the "mobile device" of Claim 18. However, as stated above, the Examiner in rejecting Claim 28 also considers the "expansion module" of Claim 28 (which is the same expansion module in Claim 18) to be the same as Hannah's peripheral device 34. The mobile computing device in Claim 18 is the device shown as numeral 10 and the expansion module as 16 in Figure 1 of the present application. These are two separate structures; therefore, the peripheral device 34 of Hannah cannot be both the expansion module and the mobile device as stated in the amended Claim 18. Applicant respectfully traverse the rejection based on the inconsistent comparison.

Respectfully submitted,

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| I hereby certify that this correspondence is being FAXED on <u>4/5/04</u> , to fax number 703-746-8587. | |
|  | |
| Tejinder Singh Attorney for Applicant(s) | Date of Signature <u>4/5/04</u> |


Tejinder Singh
Attorney for Applicants
Reg. No. 39,535

Dated: 4/5/04

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☒ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☒ PLEASE REPLY ☐ PLEASE RECYCLE

Dear Ms. Vu,

I am faxing you the request for telephone interview in this case. Please let me know what time works for you.

Regards,

TJ Singh

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